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PTO/SB/21 (08-00)

Approval for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	<b>Application Number</b>	09/771,961	
	<b>Filing Date</b>	Jan 29, 2001	
	<b>First Named Inventor</b>	Turner	
	<b>Group Art Unit</b>	1647	
	<b>Examiner Name</b>	F.M. Hamud	
<b>Total Number of Pages in This Submission</b>	19	<b>Attorney Docket Number</b>	LEX-0121-USA

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ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment / Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application)  <input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): return postcard
<b>Remarks</b> <div style="text-align: center;"> <b>24231</b> PATENT TRADEMARK OFFICE</div>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

<b>Firm or Individual name</b>	Lance K. Ishimoto Reg. No. 41,866 Lexicon Genetics Incorporated
<b>Signature</b>	
<b>Date</b>	October 2, 2002

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202 on <b>October 2, 2002</b> this date:			
<b>Typed or printed name</b>	Nancy Stacey		
<b>Signature</b>		<b>Date</b>	October 2, 2002

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Turner *et al.*

Group Art Unit: 1647

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Application No.: 09/771,961

OCT 11 2002

Examiner: F.M. Hamud TECH CENTER 1600/2900

Filed: 01/29/01

Title: Novel Human Membrane Proteins and  
Polynucleotides Encoding the Same

Atty. Docket No.: LEX-0121-USA

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**AMENDMENT AND RESPONSE TO OFFICE ACTION**  
**DATED JULY 2, 2002**

Commissioner for Patents  
Arlington, VA 22202

Sir:

Applicants acknowledge the receipt of the Office Action ("the Action") mailed on July 2, 2002, which has been carefully reviewed and studied. The Examiner is respectfully requested to enter the following amendments. Reexamination and reconsideration of the application is requested in view of the following amendments and remarks. In order to facilitate the Examiner's evaluation of the application, Applicants have attempted to address the objections and rejections in the same order in which they were originally raised.

The response is thus timely filed. Applicants believe no fees in addition to the fee for the extension of time are due in connection with this response. However, the Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 50-0892.

Also included herewith are: as **Exhibit A**, a clean copy of the pending claims; as **Exhibit B**, a marked up copy of the original claims; as **Exhibit C**, a BLASTP analysis comparing the amino acid sequence of SEQ ID NO: 2 and International Protein Index accession number IPI00083978.2; as **Exhibit D**, a BLASTN analysis comparing the nucleic acid sequence of SEQ ID NO:1 with GenBank Accession No. XM\_084868; as **Exhibit E**, the GenBank description of Accession No. XM\_084868.